

**Application No. 09/809,090**  
**Confirmation No. 5535**  
**Docket No. 0404-00701US**

48.(Previously Added)            Detector of claim 27, wherein said scintillator is configured to provide a frequency bandwidth which accommodates arrival times of the multiplicity of electrons.

49.(Previously Added)            Detector of claim 27, wherein said scintillator is constructed from "BICRON" 418 or "BICRON" 422b.

50.(Previously Added)            Detector of claim 27, further comprising a conductive coating on said scintillator configured to reflect photons generated therein.

51.(Previously Added)            Detector of claim 50, wherein the conductive coating on said scintillator is selected from the group consisting of aluminum, chrome and combinations thereof.

#### **REMARKS**

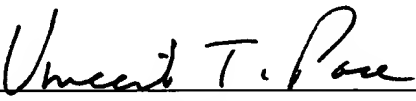
The foregoing amendment to Claim 17 is necessary to correct a minor spelling error and conform the terms used in that claim to the other claims and the description. Compare Claims 5, 6, 14, 27, 30, 31, 39, 40, and 47 which all use the term "microchannel plate". The proposed amendment neither introduces new matter nor enlarges the scope of Claim 17. Accordingly, the amendment should be entered.

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The Applicants respectfully request that the amendment of Claim 17 be entered prior to issuance of the patent on this application.

Respectfully submitted,

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